
OAK RIDGE NATIONAL LABORATORY

OPERATED BY MARTIN MARIETTA ENERGY SYSTEMS, INC.

POST OFFICE BOX X
OAK RIDGE, TENNESSEE 37831

June 12, 1987

Dr. Michael Marelli
Health Physics Branch
Office of Nuclear Safety
Room EH-331-2
U.S. Department of Energy
Washington, DC 20545

Dear Dr. Marelli:

I am responding to your recent request for additional information regarding the proposal you received earlier this year from Dr. Iranzo in Spain. I am sorry for the delay as it was difficult getting Dr. Iranzo to discuss the proposal. I think I better understand the request after talking to him.

The total request is for 100,279,000 pesetas or about \$783,430. They are asking for \$500,000, or about 64 percent of the total cost of the program. Page 27 of their proposal contains the budget data. There are four components to the budget (personnel, overhead, supplies and equipment) plus the special studies shown in column one. Incidentally, the equipment component is essentially depreciation applied to all their equipment. The personnel include seven professionals and ten technicians. Dr. Iranzo includes the following in the \$500,000 request:

All Personnel	\$281,836
All Supplies	26,352
50% of Overhead	171,150
33% of Special Studies	20,333
Total	\$499,671

The alpha spectrometry system mentioned on page 25 has been purchased and assembled through funds allotted to ORNL in FY-1986. The cascade impactors for the air sampling stations are now in Madrid. The equipment needed includes the upgrade for the meteorological station and the new germanium detector system for measuring soil and vegetation samples. These would be purchased from operating funds from the ORNL FTP/A. The codes mentioned on page 25 are not equipment items but come under the support provided by us via the ORNL FTP/A. Most of the effort planned for this year (for which we have received only 20K\$) would be related to dosimetry, retention and excretion of Am-241, which has been seen in bioassay samples for the first time. I expect this would require a half-person year. Some travel money is also needed as we will need someone to install and debug the equipment bought

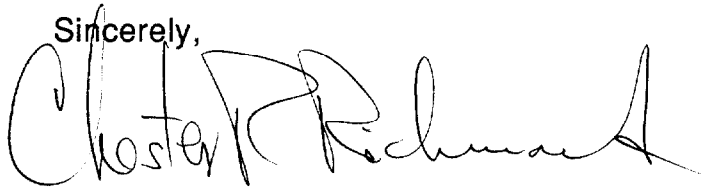
from last years funding. In addition, about a tenth person-year is needed for general support of the program here at ORNL.

I hope this information is helpful. Please call if you need clarification.

Incidentally, I will send you a package of information related to the presentation given at a meeting recently in London by Dr. Pinilla from Murcia, in southern Spain. I also have just about completed the information requested by Tom McCraw earlier this year. I will try to get this draft data to you in about a week.

Best personal regards.

Sincerely,

A handwritten signature in black ink, appearing to read "Chester R. Richmond". The signature is fluid and cursive, with the first name "Chester" being more prominent and the last name "Richmond" following in a similar style.

Chester R. Richmond
Associate Laboratory Director for
Biomedical and Environmental Sciences

CRR:jt